

IN THE CLAIMS

This listing of the claim will replace all prior versions and listings of claim in the present application.

Listing of Claims

1. (currently amended): An information transmission system-is characterized by comprising:
two transmission lines; and
a plurality of transmission terminals that are connected ~~thereto to the~~ transmission lines so as to transmit information to each other,
wherein each of said transmission terminals ~~is built up to receive~~ receives information from a sender through said two transmission lines such that all receiving of the information is conducted over both of said two transmission lines, and
wherein each of said transmission terminals includes ~~is equipped with~~ a relaying means which, when receiving said information from only one of said transmission lines, ~~sends out-transmits~~ the received information to the other transmission line ~~so~~ such that all transmissions are conducted over both of said two transmission lines.

2. (original): The information transmission system according to claim 1, wherein said information transmission system is equipped with a means which preferentially relays information to a relaying means of a transmission terminal close to said sender.

3.-4. (canceled).

5. (currently amended): The information transmission system according to claim 1,
wherein each of said transmission terminals is equipped with means to send information from said terminal to the other transmission terminal, and
wherein each of said transmission terminals is equipped with means to send information from said terminal to the other transmission terminal over one of said two transmission lines if determined to be necessary.

6. (original): The information transmission system according to claim 5, wherein said information transmission system is equipped with a means which preferentially relays information to a relaying means of a transmission terminal close to said sender.

7. (currently amended): An information transmission system for railway vehicles comprising:
transmission lines which connect a plurality of vehicles constituting a railway train; and
a plurality of transmission terminals which are connected to said transmission lines to transfer information among said vehicles,
wherein each of said transmission terminals in respective vehicles is built up to receive-receives information from a sender in the other vehicle separately through two of said transmission lines such that all receiving of the information is conducted over both of said two transmission lines, and
wherein each of said transmission terminals includes ~~equipped with~~ a relaying means which, when receiving said information from only one of said

transmission lines, ~~sends out~~ transmits the received information to the other vehicle through another transmission line ~~so such~~ that all transmissions are conducted over two of said transmission lines.

8. (canceled).

9. (currently amended): The information transmission system according to claim 7, wherein each of said railway vehicles has two of said transmission terminals, each of which has a means to respectively send information over one of said transmission lines when said transmission terminal sends information from the vehicle having the transmission terminal to the other vehicle, if necessary.

10. (currently amended): An information transmission method of an information transmission system, wherein said information transmission system comprises ~~comprising~~ two transmission lines and a plurality of transmission terminals which are connected to said transmission lines to transmit information to each other, wherein said method comprises the steps of:

causing said transmission terminals to receive information from a sender separately through said two transmission lines such that all receiving of the information is conducted over both of said two transmission lines;

detecting that said transmission terminal is receiving information on only one of said two transmission lines; and

sending the received information to the other of said two transmission

lines ~~so such~~ that all transmissions are conducted over said two transmission lines.